

**MACRO ASSISTED CONTROL SYSTEM AND METHOD
FOR A HORIZONTAL DIRECTIONAL DRILLING MACHINE**

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ABSTRACT OF THE DISCLOSURE

A system and method provide for controlling an HDD machine to move a cutting tool along an underground path in accordance with a pre-established bore plan. Cutting tool movement is detected from above-ground. During HDD machine operation, one or 10 more control programs are accessed. Each of the control programs can cause the HDD machine to execute a sequence of pre-defined HDD machine actions. A particular control program of the one or more control programs is executed to augment movement of a drill pipe or the cutting tool.